

* HISTORY *

[illegible]

STANDARD ENGINEERING TEXT

ENGINEERING DATA LIST REMARKS

FURNISHED METHOD CODE LEGEND:		
C	- CLASSIFIED DOCUMENT.	
S	- FURNISHED WITH SOLICITATION.	
M	- STABLE BASE DRAWING REQUIRED;	
	FURNISHED WITH CONTRACT AWARD.	
		X - DATA SUPPLIED (NOT IN EDICARS).
		R - FURNISHED BY PCO UPON REQUEST.
		P - PARTIAL DOCUMENT FURNISHED.
		V - VENDOR DRAWING;
		(NOT PROVIDED).
		G - GOV'T DOCUMENT.
		O - OTHERS, CONTRACTOR
		MUST ACQUIRE.
		A - DATA NOT
		AVAILABLE.

XICS 01-042

Public reporting burden for this collection of information is estimated to average 110 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information. Send comments regarding this burden estimate or any other aspect of this collection of information, including suggestions for reducing this burden to Department of Defense, Washington Headquarters Services, Directorate for Information Operations and Reports, 1215 Jefferson Davis Highway, Suite 1204, Arlington, VA 22202-4302, and to the Office of Management and Budget, Paperwork Reduction Project (0704-0188), Washington DC 20503. Please DO NOT RETURN your form to either of these addresses. Send completed form to the government Issuing Contracting Officer for the Contract/PR No. in Block E.

G. PREPARED BY
CHRISTINA DODGE/LICS/DM

INSTRUCTIONS FOR COMPLETING DD FORM 1423

(See DoD 5010.12M for detailed instructions.)

FOR GOVERNMENT PERSONNEL

- Item A. Self-explanatory.
- Item B. Self-explanatory.
- Item C. Mark (X) appropriate category: TDP - Technical Data Package; TM - Technical Manual; Other - other category of data, such as 'Provisioning', 'Configuration Management', etc.
- Item D. Enter name of system/item being acquired that data will
- Item E. Self-explanatory (to be filled in after contract award).
- Item F. Self-explanatory (to be filled in after contract award).
- Item G. Signature of preparer.
- Item H. Date CDRL was prepared.
- Item I. Signature of CDRL approval authority.
- Item J. Date CDRL was approved.
- Item 1. See DoD FAR Supplement Subpart 4.71 for proper numbering.
- Item 2. Enter title as it appears on data acquisition document cited in Item 4.
- Item 3. Enter subtitle of data item for further definition of data item (optional entry).
- Item 4. Enter Data Item Description (DID) number, military specification number, or military standard number listed in DoD 5010.12-L (AMSDL), or one-time DID number, that defines data content and format requirements.
- Item 5. Enter reference to tasking in contract that generates requirement for the data item (e.g. Statement of Work paragraph number).
- Item 6. Enter technical office responsible for ensuring adequacy of the data item.
- Item 7. Specify requirement for inspection/acceptance of the data item by the Government.
- Item 8. Specify requirement for approval of a draft before preparation of the final data item.
- Item 9. For technical data, specify requirement for contractor to mark the appropriate distribution statement on the data (ref DoDD 5230.24).
- Item 10. Specify number of times data items are to be delivered.
- Item 11. Specify as-of date of data item, when applicable.
- Item 12. Specify when first submittal is required.
- Item 13. Specify when subsequent submittals are required, when applicable.
- Item 14. Enter addresses and number of draft/final copies to be delivered to each addressee. Explain reproducible copies in Item 16.
- Item 15. Enter total number of draft/final copies to be delivered.
- Item 16. Use for additional/clarifying information for items 1 through 15. Examples are: Tailoring of documents cited in Item 4; Clarification of submittal dates in Items 12 and 13; Explanation of reproducible copies in Item 14; Desired medium for delivery of the data item.

FOR THE CONTRACTOR

Item 17. Specify appropriate price group from one of the following groups of effort in developing estimated prices for each data item listed on the DD Form 1423.

a. Group I. Definition - Data which is not otherwise essential to the contractor's performance of the primary contracted effort (production, development, testing and administration) but which is required by DD Form 1423.

Estimated Price - Costs to be included under Group I are those applicable to preparing and assembling the data item in conformance with Government requirements, and the administration and other expenses related to reproducing and delivering such data items to the Government.

b. Group II. Definition - Data which is essential to the performance of the primary contracted effort but the contractor is required to perform additional work to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, or quality of the data item.

Estimated Price - Costs to be included under Group II are those incurred over and above the cost of the essential data item without conforming to Government requirements, and the administrative and other expenses related to reproducing and delivering such data item to the Government.

c. Group III. Definition - Data which the contractor must develop for his internal use in performance of the primary contracted effort and does not require any substantial change to conform to Government requirements with regard to depth of content, format, frequency of submittal, preparation, control, and quality of the data item.

Estimated Price - Costs to be included under Group III are the administrative and other expenses related to reproducing and delivering such data item to the Government.

d. Group IV. Definition - Data which is developed by the contractor as part of his normal operating procedures and his effort in supplying these data to the Government is minimal.

Estimated Price - Group IV items should normally be shown on the DD Form 1423 at no cost.

Item 18. For each data item, enter an amount equal to that portion of the total price which is estimated to be attributable to the production or development for the Government of that item of data. These estimated data prices shall be developed only from those costs which will be incurred as a direct result of the requirement to supply data, over and above those costs which would otherwise be incurred in performance of the contract if no data were required. The estimated data prices shall not include any amount for rights in data. The Government's right to use data shall be governed by the pertinent provisions of the contract.

REV: A	ENGINEERING DATA REQUIREMENTS (ATTACHMENT "A")	
NOTE: MILITARY SPECIFICATIONS I/STANDARDS WILL NOT BE FURNISHED IN THE BID SET.		
1. THE FOLLOWING INSTRUCTIONS ARE FURNISHED FOR THE MANUFACTURE OF <p style="text-align: center;">BRACKET, SWITCH - DRAG BRACE ASSY. NLG ASSY. OF</p>		
2. PART NUMBER 4G53465-101A	3. NATIONAL STOCK NUMBER 1620 00 169 0577	
4. THE FOLLOWING SPECIFICATIONS/STANDARDS, ETC., WILL BE USED IN LIEU OF THE DATA INDICATED. THE SUPERSEDED DATA WILL NOT BE FURNISHED UNLESS SO INDICATED.		
<ol style="list-style-type: none"> a. Identify to meet drawing requirements per MIL-STD-130, in lieu of STP 63-001. b. Machine pre LAC 0701, in lieu of DS 30003. c. Penetrant inspect per ASTM E1417, Type I, Method B or C, Level 3 or 4, in lieu of STP 53-201, with the following acceptance/rejection criteria: NO DEFECTS ALLOWED. The intent of NO DEFECTS ALLOWED is that the inspection is conducted at the required sensitivity level and there shall be no indications allowed. The inspector performing the inspection shall be level II certified, with the inspection procedure developed by a level III as specified in NAS-410. <p>5. Install bushings per the following.</p> <ol style="list-style-type: none"> a. The bushing installation shall be accomplished in such a manner as to avoid damage to the finish on the I.D. of the housing into which the bushing is installed, or the finish on the O.D. of the bushing. Forced installation of sub-zero installation, such as the use of a press or hammer is not permitted, and is not acceptable. A small non-metallic hammer may be used to tap the bushing into alignment with the housing bore, or to seat the bushing. b. Prior to bushing installation, the parts and housing bore shall be cleaned with a solvent to remove all contamination. c. Liquid nitrogen shall be used for all sub-zero installations unless some other sub-zero coolant is specified, and approved by OO-ALC/LILE engineering. The soak time of the bushing in the liquid nitrogen shall be sufficient to allow the bushing to reach the same temperature as the coolant. d. The bushing shall be installed into the housing immediately upon removal from the coolant with an absolute minimum lost time. Trial runs shall be accomplished as necessary to minimize installation time, which should be in the order of about seven (7) seconds maximum. e. It may occasionally be necessary to heat the housing into which the bushing is to be installed, in addition to sub-zero cooling of the bushing. Detail parts in process, which do not have paint or sealant or other organic material applied prior to heating, the parts shall be heated by the use of radiant heat techniques, such as thermal blankets, infrared lamps etc; to the maximum temperature of 250 F. Temperature measuring devices shall be used to monitor heat and shall be located on areas of the part expected to reach maximum temperature. No scaling, oxidation, or corrosion shall be permitted. f. The shrunk part shall be installed into the housing bore which has received a wet coat of TT-P-1757, zinc chromate primer which has been brush applied. The primer shall be applied to the bushing outer surface and the housing bore prior to installation, so as to insure complete sealing of gaps between the housing bore and the installed bushing as evidenced by extruded primer around the entire periphery of both ends of the bushing. 		
PREPARED BY ORIN HATCH	SYMBOL LGMPM	DATE 8 Mar 01

REV: A	ENGINEERING DATA REQUIREMENTS CONTINUATION SHEET (ATTACHMENT "A")	
PART NUMBER 4G53465-101A	NATIONAL STOCK NUMBER 1620 00 169 0577	
<p>6. Finish per the following in lieu of DS 30000, and finish codes AA, 17, 54, and 74-74.</p> <ul style="list-style-type: none"> a. Anodize per MIL-A-8625, Type II, Class 1. (code AA) b. Primer wash is not required. (code 17) c. One coat of epoxy primer per MIL-PRF-85582, Type I, Class 2. (code 54). Alternate, One coat of epoxy primer per MIL-PRF-23377, Type I. d. Two coats of top coat per MIL-PRF-85285, Type I. (color white, No. 17925 per FED-STD-595). (code 74-74) <p>7. MRB disposition:</p> <ul style="list-style-type: none"> a. OO-ALC/LILE system engineering retains all rights to review and accept Material Review Board dispositions (MRB's) prior to shipment of discrepant item. All deviations, minor and major, from the engineering drawing package shall be submitted for MRB disposition. b. Prior to contract award, the contractor will certify to the government in writing full compliance with manuals, specifications, and standards called out and required for the manufacture of this contracted landing gear component/assembly. The contractor is responsible to completely search all required documents and fully understand the necessary requirements to manufacture the stated item. Any questions can be forwarded to this office OO-ALC/LILE. <p>5. The castings shall be procured form the original casting source, using the original certified casting procedures and tooling.</p> <ul style="list-style-type: none"> a. Prior to contract award, the detailed part bidder shall provide certification, from the casting source, to the Government that the certified tooling and procedures are available and the casting source has an agreement with the ditail parts bidder to provide castings for their use in the event they are the successful bidder. b. Prior to production, casting lot qualification shall be accomplished as specified on the casting drawing and MIL-STD-7125. The detailed part contractor shall assure that this has been accomplished by the casting source and shall submit certified documentation of accomplishment to the Government. <p>6. CASTING SORUCE, CONTROL, AND LOCATION OF TOOLNG.</p> <ul style="list-style-type: none"> a. Casting drawing: Lockheed 4G53466-991A. b. Control of casting process: Unknown. c. Location of casting tooling: Unknown. 		
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<p>7. INSTRUCTIONS FOR QUALIFICATION OF NEW CASTING SOURCE.</p> <p>a. Prior to contract award, the contractor shall advise the government in writing of the intent to procure new casting tooling and the proposed casting source. The contractor shall not proceed to obtain new tooling without the express consent of the government- procuring agency. The government shall have unlimited use of the tooling developed under this contract. The contractor shall inform the casting house in writing, at the same time the order for the tooling is placed, that the government has unlimited use rights of the casting source and tooling, and forward a copy of this letter to the Government Contracting Officer.</p> <p>8. After contract award the successful bidder shall provide a copy of the processing documentation (routing documents and process specifications) to LILE for final review before production begins.</p> <p>9. The following specifications or standards have been superceded.</p> <p>a. Use SAE-AMS-STD-7125, in lieu of MIL-C-6021. Use ASTM B26, in lieu of QQ-A-601. Use TT-P-1757, in lieu of MIL-P-8585.</p> <p>10. The following specifications are not required to manufacture this item.</p> <p>a. DS 5025, Fatigue test X995, and Static test X999.</p>		
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SOURCE QUALIFICATION REQUIREMENTS
(PL 98-525, SECTION 2319)

STOCK NR (NSN)1620-00-169-0577
NOUN: BRACKET SWITCH-NLG

PART NUMBER (P/N)4G53465-101A
AIRCRAFT: C-5

SECTION C

QUALIFICATION REQUIREMENTS THAT MUST BE SATISFIED TO BECOME A QUALIFIED SOURCE

1. Because of the need for uninterrupted item support to military aircraft systems and in keeping with the requirements of PL 98-525, the current acquisition need not and generally will not be delayed to provide an offerer an opportunity to qualify. Normal acquisition practices at OO-ALC should preclude the denial of opportunity to any interested offerer.

2. The offerer must provide a pre-contract award qualification article, which meets the requirements of the engineering drawings, material specifications, and process specifications. However, successful completion of the qualification testing does not guarantee any contract award. If the offeror is deemed qualified and awarded the contract, a post-contract award first article exhibit may be required to verify production capability.

3. The required materials will be procured from a qualified source and will meet the requirements of their respective specifications. The offerer will assure that the material supplier has accomplished this and will submit certified documentation of accomplishment of the above requirements to the purchaser along with the pre-contract award qualification article.

4. The qualification article shall demonstrate full compatibility and comparability with existing parts, and once submitted, will be subjected to such testing as deemed necessary by the government, to insure the article meets all dimensional, processing, and functional requirements. Such testing may result in the destruction of the article. Following completion of necessary testing and evaluation, the article, no matter what its condition, shall be returned to the contractor or disposed of at his discretion and direction, whether it was found acceptable or not.

5. Form verification: The Government's Quality Verification Center will verify compliance with dimensional data requirements. Material and process compliance will also be verified as required.

6. Fit/function verification: Existing components and Government test stands/fixtures will be utilized to verify physical interface and functional performance of articles.

7. Testing for material and process compliance

- | | |
|-----------------------|-------------|
| (a) Material analysis | (e) Plating |
| (b) Heat treat | (f) Finish |
| (c) Grinding | (g) Other |

8. Remarks:

a. Organic verification capabilities exist at OO-ALC.

b. Test requirements outside organic capabilities will be contracted out to independent laboratories.

9. The estimated cost of government testing and evaluation is \$3500

10. Maximum time for testing of the qualification article will not exceed 30 days from receipt at testing agency.

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SECTION D

QUALIFICATION WAIVER REQUIREMENTS.

1. An offerer who has had previous experience in the manufacture and qualification of items, which can be correlated with this product, may apply to the design control authority at OO-ALC for a waiver of the above stated qualification requirements.

a. The qualification waiver criteria utilized by the design control authority to perform a qualification analysis are available upon request. The qualification waiver criteria may be used as a guide in preparing the offerer's written input to the design control authority.

b. The burden of proof for written inputs is on the offerer. The design control authority will not pursue authenticity verification of claims made by the offerer of product manufacturing experience with other Government or non-Government agencies. Unsubstantiated claims will not be considered in the waiver analysis process.

c. This waiver will be granted if and only if the design control authority (LILE) can establish the qualifications of the offerer through the evaluation of written inputs from the offerer or from previous knowledge of the offerer's capabilities or from previous experience with the offerer on similar item acquisitions. If there is any doubt about the offerer's capability, the offerer will be required to submit a pre-qualification article. There is no guarantee of qualification by similarity. LILE reserves the right to require a pre-qualification article of all offerers.

2. The current acquisition need not and will not be delayed in order to provide an offerer with an opportunity to meet the requirements for qualification waiver.

3. Maximum time for approval of qualification by similarity will not exceed 15 days.